

Name: _____

Per: _____

The Periodic Table and Bonding WS 7 “Covalent Bonding”

Complete the chart for each element

Element	# of Protons	# of Electrons	# of Valence Electrons	# of Electrons needed to fill outer shell
Carbon				
Chlorine				
Hydrogen				
Phosphorus				
Oxygen				
Sulfur				
Nitrogen				

Follow the covalent bonding steps to show the bonding of the following elements.

1. Hydrogen & Hydrogen

2. 2 Hydrogen & Oxygen

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3. Chlorine & Chlorine

4. Oxygen & Oxygen

5. Carbon & 2 Oxygen

6. Carbon & 4 Hydrogen